

0570

03/04

#11



OIEP

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/886,135

DATE: 03/13/2003

TIME: 12:55:28

Input Set : A:\209873US0.ST25.txt

Output Set: N:\CRF4\03132003\I886135.raw

3 <110> APPLICANT: PTITSYN, Leonid R
 4 ALTMAN, Irina B
 5 SMIRNOV, Sergey V
 6 ROSTOVA, Yulia G
 7 YAMPOLSKAYA, Tatyana A
 8 LEONOVA, Tatyana V
 9 GUSYATINER, Mikhail M
 11 <120> TITLE OF INVENTION: NEW MUTANT-ACETYLGLUTAMATE SYNTHASE AND METHOD FOR L-
 ARGININE PRODUCTION
 13 <130> FILE REFERENCE: 209873US0
 15 <140> CURRENT APPLICATION NUMBER: 09/886,135
 16 <141> CURRENT FILING DATE: 2001-06-22
 18 <150> PRIOR APPLICATION NUMBER: RUSSIAN FEDERATION 2000116481
 19 <151> PRIOR FILING DATE: 2000-06-28
 21 <150> PRIOR APPLICATION NUMBER: RUSSIAN FEDERATION 2001112869
 22 <151> PRIOR FILING DATE: 2001-05-15
 24 <160> NUMBER OF SEQ ID NOS: 14
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 5
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: synthetic peptide
 36 <400> SEQUENCE: 1
 38 Val Val Trp Arg Ala
 39 1 5
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 5
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Artificial Sequence
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: synthetic peptide
 50 <400> SEQUENCE: 2
 52 Leu Phe Gly Leu His
 53 1 5
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 5
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: synthetic peptide
 64 <400> SEQUENCE: 3
 66 Ser Ala Ala Ser Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/886,135

DATE: 03/13/2003

TIME: 12:55:29

Input Set : A:\209873US0.ST25.txt

Output Set: N:\CRF4\03132003\I886135.raw

```

67 1      5
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 5
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: synthetic peptide
78 <400> SEQUENCE: 4
80 Gly Trp Pro Cys Val
81 1      5
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 5
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: synthetic peptide
92 <400> SEQUENCE: 5
94 His Ser Val Pro Cys
95 1      5
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 5
100 <212> TYPE: PRT
101 <213> ORGANISM: Escherichia coli
103 <400> SEQUENCE: 6
105 His Ser Val Pro Tyr
106 1      5
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 15
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic DNA
117 <400> SEQUENCE: 7
118 gtagtatggc gggca 15
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 15
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: synthetic DNA
129 <400> SEQUENCE: 8
130 ttgttcggat tgcac 15
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 15
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: synthetic DNA
141 <400> SEQUENCE: 9

```

RAW SEQUENCE LISTING

DATE: 03/13/2003

PATENT APPLICATION: US/09/886,135

TIME: 12:55:29

Input Set : A:\209873US0.ST25.txt

Output Set: N:\CRF4\03132003\I886135.raw

```

142 tcggcggcgt ccaga                                     15
145 <210> SEQ ID NO: 10
146 <211> LENGTH: 15
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: synthetic DNA
153 <400> SEQUENCE: 10
154 gggtggccat gcgtg                                     15
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 15
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: synthetic DNA
165 <400> SEQUENCE: 11
166 cattcggttc cctgt                                     15
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 15
171 <212> TYPE: DNA
172 <213> ORGANISM: Escherichia coli
174 <400> SEQUENCE: 12
175 cattcggttc cctat                                     15
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 44
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: synthetic DNA
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (14)..(28)
189 <223> OTHER INFORMATION: n is a, t, g, or c
192 <400> SEQUENCE: 13
W--> 193 cgagggttc cgcnnnnnnnn nnnnnnnnat caatacccac cggg      44
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 25
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: synthetic DNA
204 <400> SEQUENCE: 14
205 tgccatggta aaggaacgta aaacc                          25

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/886,135

DATE: 03/13/2003
TIME: 12:55:30

Input Set : A:\209873US0.ST25.txt
Output Set: N:\CRF4\03132003\I886135.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 11

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/886,135

DATE: 03/13/2003

TIME: 12:55:30

Input Set : A:\209873US0.ST25.txt

Output Set: N:\CRF4\03132003\I886135.raw

L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0